

| L Number | Hits | Search Text | DB | Time stamp |
|-------------|------|--|---|---------------------|
| 7 | 2 | heater near4 heat adj sink adj material | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/31 10:15 |
| 8 | 23 | heater same heat adj sink adj material | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/31 10:18 |
| 9 | 24 | iii near2 nitride and (both adj side) same deposit\$4 | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/31 10:20 |
| 10 | 78 | iii near2 nitride and (top same bottom) same deposit\$4 | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/31 10:25 |
| 11 | 96 | double near2 sid\$2 near2 (epitax\$4 or deposit\$4) | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/31 10:27 |
| 14 | 4 | (double near2 sid\$2 near2 (epitax\$4 or deposit\$4)) and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/31 10:37 |
| - | 2 | (layer\$3 same substrate same (gan or gallium adj nitride or sapphire or zinc adj oxide or zno or silicon adj carbide or silicon or si or sic) and two near2 sid\$3 same deposit\$4) and 117/84-109.ccls. | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/23 16:00 |
| - | 15 | two near2 layer\$3 near3 substrate near4 (gan or gallium adj nitride or sapphire or zinc adj oxide or zno or silicon adj carbide or silicon or si or sic) and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/23 16:12 |
| - | 38 | multi\$1layer\$3 near3 substrate and 117/\$4.ccls. and (remov\$3 near2 substrate) | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/23 16:20 |
| - | 2 | two near1 sid\$3 near4 deposit\$4 and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/23 16:49 |
| - | 66 | (both or two) near1 sid\$3 same deposit\$4 and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/30 16:16 |
| - | 10 | (both or two) near1 sid\$3 same deposit\$4 and 117/\$4.ccls. and "III-V" | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/23 17:07 |
| - | 31 | "III-v" same deposit\$4 and (both or two) near3 (side or sided) and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/23 17:15 |

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| - | 11 | (gan or gallium adj nitride) near2 sapphire near3 (silicon or si) and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/23 17:20 |
| - | 43 | ((sapphire or "al.sub.2o.sub.3") near3 (silicon or si) near3 (substrate or wafer) and 117/\$4.ccls.) and "III-V" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/30 10:11 |
| - | 19 | (sapphire or "al.sub.2o.sub.3") near2 buffer and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/30 10:18 |
| - | 23 | (sapphire or "al.sub.2o.sub.3") near2 buffer near3 (silicon or si or zinc adj oxide or zno or sic or silicon adj carbide or "III-V") | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/30 10:24 |
| - | 9 | (sapphire same "al.sub.2o.sub.3") and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/30 13:24 |
| - | 4 | sacrific\$3 near2 substrate same (sapphire or "al.sub.2o.sub.3") and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/30 13:27 |
| - | 31 | remov\$4 near2 substrate same (sapphire or "al.sub.2o.sub.3") and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/30 13:51 |
| - | 39 | (sapphire near4 (layer\$3 or multilayer\$3) near2 substrate and 117/\$4.ccls.) and "iii-v" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/30 13:58 |
| - | 1 | sapphire same (multilayer\$3) near2 substrate and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/30 14:00 |
| - | 3 | sapphire same (layered) near2 substrate and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/30 14:06 |
| - | 10 | (sapphire or "al.sub.2o.sub.3") near2 substrate and ("iii-v") and both near2 side and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/30 14:36 |
| - | 3 | both near2 side near10 deposit\$4 and "iii-v" and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/30 14:38 |
| - | 30 | both near2 side same (deposit\$4 or grow\$4) and "iii-v" and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/30 14:39 |
| - | 102 | selectiv\$4 near2 etch\$3 near5 substrate and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/30 15:24 |

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| - | 23 | (selectiv\$4 near2 etch\$3 near5 substrate and 117/\$4.ccls.) and "iii-v" | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/30 16:11 |
| - | 11 | (both or two) near1 sid\$3 same deposit\$4 same epitax\$4 and 118/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/30 16:22 |
| - | 14 | ((both or two) near1 sid\$3 near3 (deposit\$4 or grow\$4) and 118/\$4.ccls.) and (epitax\$4 or single adj crystal\$4) | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/30 16:43 |
| - | 25 | (front near2 side and back near2 side) same (deposit\$4 or grow\$4) and 117/\$4.ccls. | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/30 16:48 |
| - | 67 | heat adj sink adj material same radiat\$4 | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/30 18:21 |
| - | 1 | without near4 heat adj sink adj material same radiat\$4 | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/30 18:22 |
| - | 7 | without near4 heat adj sink adj material | USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB | 2002/12/31 10:13 |